Approved for use through 10/31/2002.OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known		
				Application Number	TBA	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	June 30, 2003	
				First Named Inventor	Yong Sung HAM et al.	
				Art Unit	Unassigned	
	(use as many sheets as necessary)			Examiner Name	Unassigned	
Sheet	1	of	1	Attorney Docket Number	8733.823.00	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
200	AA	4,691,995	9/8/1987	Yamazaki et al.		
1	AB	5,309,264	5/3/1994	Lien et al.		
	AC	5,608,556	3/4/1997	Koma		
	AD	5,666,179	9/9/1997	Koma		
V	AE	6,100,953	8/8/2000	Kim et al.		

	············	FOREI	GN PATENT	DOCUMENTS		
Examiner Initials*	Cite . No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁴ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
M	BA	EP 0 884 626 A2	12/16/1998	Fujitsu Limited		
	BB	WO 00/08521	2/17/2000	Konovalov et al.		
	BC	JP 6-235925 w/Abstract	8/23/1994	Matsushita Electric Ind Co		
	BD	JP 8-101395 w/Abstract /	4/16/1996	Matsushita Electric Ind Co Ltd		
	BE	JP 9-61829 w/Abstract /	3/7/1997	Matsushita Electric Ind Co Ltd		T
	BF	JP 10-177178 w/Abstract /	6/30/1998	Matsushita Electric Ind Co Ltd		
	BG	JP 10-333157 w/Abstract	12/18/1998	Matsushita Electric Ind Co Ltd		\prod
	BH	JP 10-333159 w/Abstract	12/18/1998	Matsushita Electric Ind Co Ltd		\prod
	ВІ	JP 11-133438 w/Abstract //	5/21/1999	Matsushita Electric Ind Co Ltd		
	BJ	JP 11-142864 w/Abstract //	5/28/1999	Matsushita Electric Ind Co		
	BK	JP 11-248930 w/Abstract V	9/17/1999	Matsushita Electric Ind Co Ltd		T
V	BL	JP 11-326922 w/Abstract	11/26/1999	Matsushita Electric Ind Co		
	ВМ					
	BN					Т

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. ⁶ Applicant is to place a check mark here If English language Translation is attached.

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
æ	-	Y. TANAKA et al.; "A New Design to Improve Performance and Simplify the Manufacturing Process of High-Quality MVA TFT-LCD Panels"; SID '99 Digest; Pages 206-209	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	Au l	L	Date Considered	6/12/04
		σ		

Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.